

Converting Colors

XYZ(47.6456, 30.9405, 15.3275)

Have a look what the booklet for
XYZ(47.6456, 30.9405, 15.3275)
contains.

XYZ(47.5870, 30.8954, 15.2597)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.5870, 30.8954,
15.2597)**

Conversions

Conversions Part 1

Format	Color
Hex	FE6363
RGB	254, 99, 99
RGB Percent	100%, 39%, 39%
CMY	0.0039, 0.6117, 0.6118
CMYK	0.00, 0.61, 0.61, 0.00
HSL	0°, 99%, 69%
HSV	0°, 61%, 100%
XYZ	47.5870, 30.8954, 15.2597
YIQ	145.3450, 92.3800, 32.8600

Conversions

Conversions Part 2

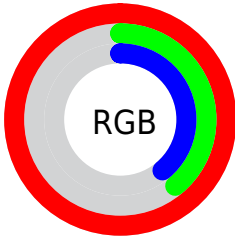
Format	Color
R_{YB}	254, 99, 99
Decimal	16671587
CIE _{Lab}	62.42, 59.01, 31.32
CIE _{LCh}	62, 66.809, 27.956
Yxy	30.8954, 0.5076, 0.3296
Android (android.graphics.Color)	4294861667 (0xFFFE6363)
YUV	145.3450, -22.8481, 95.2904
Hunter-Lab	55.5836, 55.5484, 22.6313

Details

The XYZ color **47.5870, 30.8954, 15.2597** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.4737, 80.6858, 106.2573**, and the grayscale version is **27.1192, 28.5315, 31.0708**.

A 20% lighter version of the original color is **58.4664, 46.9047, 34.8262**, and **22.8312, 12.7753, 4.5114** is the 20% darker color. If you saturate the color by 10%, you get **44.5183, 26.4056, 9.1587**, and if you desaturate by 10%, it is **51.7952, 37.0540, 23.6242**.

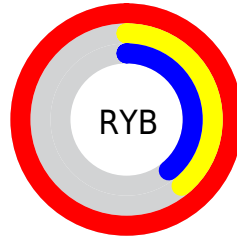
Distribution



Red (100%)

Green (39%)

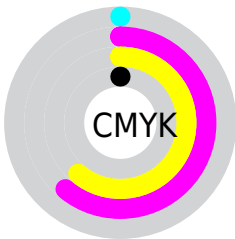
Blue (39%)



Red (100%)

Yellow (39%)

Blue (39%)

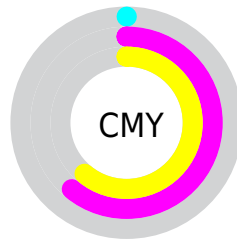


Cyan (0%)

Magenta (61%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (61%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5870, 30.8954, 15.2597 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 47.5870, 30.8954, 15.2597 by changing the saturation by 10% instead.


 47.5870, 30.8954,
15.2597


 47.5870, 30.8954,
15.2597

367.7626,
306.0561, 236.6275


 33.7098, 20.5192,
8.8532


 85.8026, 61.0754,
36.0569


 22.8326, 12.7730,
4.5501


 110.8717, 81.6479,
51.2846

 14.5900, 7.2724,
1.9317


 140.4022,
106.3880, 70.2898

 8.6166, 3.6331,
0.5128

 174.7594,
135.6801, 93.4911

 4.5470, 1.4705,
0.0000

214.3087,
169.9086, 121.3070

 2.0160, 0.2678,
0.0000

259.4155,

 0.6429, 0.0000,

209.4578, 154.1560

0.0000

310.4450,
254.7122, 192.4566

■ 0.0000, 0.0000,
0.0000

■ 47.5870, 30.8954,
15.2597

■ 47.5870, 30.8954,
15.2597

■ 44.5183, 26.4056,
9.1587

■ 51.7952, 37.0540,
23.6242

■ 42.4761, 23.4171,
5.0993

■ 57.2373, 45.0174,
34.4426

■ 41.3282, 21.7372,
2.8177

■ 64.0003, 54.9137,
47.8871

■ 40.8729, 21.0710,
1.9129

■ 72.1628, 66.8577,
64.1138

■ 81.7973, 80.9556,
83.2667

92.9711, 97.3060,
105.4800

94.6828, 99.8107,
108.8828

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.4297, 30.8954, 35.4503



47.5870, 30.8954, 15.2597



39.6063, 30.8954, 6.6029

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.5870, 30.8954, 15.2597



16.9406, 30.8954, 13.5120



28.7484, 30.8954, 112.1355

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.5870, 30.8954, 15.2597



58.4737, 80.6858, 106.2573

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



21.0616, 30.8954, 96.0850



47.5870, 30.8954, 15.2597



15.1749, 30.8954, 31.8921

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.5870, 30.8954, 15.2597



21.9355, 30.8954, 6.0202



16.5137, 30.8954, 62.8502



38.3074, 30.8954, 99.7108

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.5870, 30.8954, 15.2597



33.1504, 30.8954, 4.6419



16.5137, 30.8954, 62.8502



25.8796, 30.8954, 109.7735

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47.5877, 30.8971, 15.2602



75.5867, 71.5197, 70.2074



63.2240, 37.1503, 97.6037



15.6055, 14.4695, 13.8879



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.5877, 30.8971, 15.2602



44.4291, 25.9270, 8.2686



58.7485, 53.2187, 18.9805



18.0095, 17.9873, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58.4737, 80.6858, 106.2573



56.2502, 79.9928, 107.0832



38.6585, 41.0556, 99.6523



18.5549, 20.4813, 23.2253



28.1145, 41.1385, 55.8933



2.7374, 4.0056, 5.4421

Previews

White Background



This preview shows how the XYZ color 47.5870, 30.8954, 15.2597 looks on a white background.

Color Contrast Check

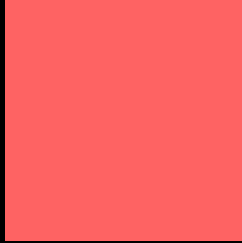
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 47.5870, 30.8954, 15.2597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.5870, 30.8954, 15.2597

Background



This preview shows how black text looks on a background with the XYZ color 47.5870, 30.8954, 15.2597.



This preview shows how white text looks on a background with the XYZ color 47.5870, 30.8954,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47.5870, 30.8954, 15.2597

Protanopia

29.2157, 31.0908, 22.5504

Deuteranopia

31.3900, 30.7691, 14.1821



Tritanopia

47.7394, 30.8057, 16.5266

Trichromacy



Original Color

47.5870, 30.8954, 15.2597

Protanomaly

33.7376, 29.2969, 19.4995

Deuteranomaly

36.0340, 29.8018, 14.4428

Tritanomaly

47.6390, 30.7655, 15.9979

Monochromacy



Original Color

47.5870, 30.8954, 15.2597

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.6230, 27.3111, 24.0269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5870, 30.8954, 15.2597 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(254, 99, 99)` looks like.

```
.text, #text, p{  
    color:rgb(254, 99, 99)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(254, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 99, 99) }
```

Border

The CSS property to change the border of an element to XYZ 47.5870, 30.8954, 15.2597 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(254, 99, 99) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(254, 99, 99) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(254, 99, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 99, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 99, 99);  
box-shadow:4px 4px 4px 4px rgb(254, 99,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5870, 30.8954, 15.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 99, 99) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(254, 99,  
99) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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